

ABSTRACT

A pressure transducer designed to transform static pressure or dynamic pressure applied to a diaphragm into a corresponding electrical signal and a method of manufacturing the same are provided. The transducer includes a fixed electrode formed in an upper surface of a substrate and a moving electrode provided in the diaphragm disposed above the fixed electrode through a cavity. The substrate has formed in the bottom thereof at least one hole which is used in a manufacturing process for removing a sacrificial layer formed between the diaphragm and the upper surface of the substrate in dry etching to form the cavity.